

Message Text

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PAGE 01 BONN 05589 291201Z
ACTION OES-07

INFO OCT-01 EUR-12 ISO-00 ACDA-12 CIAE-00 INR-10 IO-14
L-03 NSAE-00 NSC-05 EB-08 NRC-07 SOE-02 DODE-00
SS-15 SP-02 CEQ-01 HEW-06 EPA-04 /109 W
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TO SECSTATE WASHDC 7110
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E.O. 11652: N/A
TAGS: SENV, TBIO, TECH, GW
SUBJECT: STUDY OF RADIATION EXPOSURE AT HANFORD

1. DURING RECENT MEETING OF SCICOUNS WITH PROF.
MANDEL, CHAIRMAN OF GERMANY'S LARGEST ELECTRIC
UTILITY (RWE), LATTER REQUESTED DETAILS OF A STUDY
ENTITLED "RADIATION DOSE OF WORKERS AT HANFORD, WHO
DIED OF CANCER OR OTHER CAUSES" BY R. F. MANCUSO, A.
STEWART AND G. KNEALE. EMBASSY WOULD LIKE TO PROVIDE
MANDEL WITH RESPONSE TO HIS FOLLOWING QUESTIONS AND
COMMENT.

QUOTE:

A. IS THERE A 1944 REGULATION ALLOWING A MAXIMUM DOSE
OF 5 RAD PER YEAR FOR EXPOSED INDIVIDUALS? WAS THIS
LIMIT ALSO VALID IN THE MILITARY SECTOR?

AS FAR AS WE KNOW THE MAXIMUM DOSE OF 5 RAD ORIGINATES
FROM BRCP 71 WITH 71 BEING THE DATE OF THE ISSUANCE OF
THE REGULATION (1971).

B. IN A COMMENT ON THE ABOVE STUDY, J.A. REISSLAND
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AND G. W. DOLPHIN CONCLUDED THAT THE VALUES OF THE
DOUBLE DOSE SHOW THAT THE RISK COEFFICIENTS OF THE
EXPOSURE AT HANFORD ARE OF THE ORDER OF TWO MAGNITUDES
HIGHER THAN PREVIOUS ASSESSMENTS, FOR EXAMPLE, WITH
SURVIVORS OF THE JAPANESE ATOMIC EXPLOSION OR
RADIOTHERAPY PATIENTS. THE TEXT AND TABLES OF THE
STUDY ARE SO NEBULOUS, HOWEVER, THAT A SOPHISTICATED

EXAMINATION WILL NOT BE POSSIBLE, UNLESS WE HAVE ACCESS
TO THE RAW DATA. THIS REQUIRES THAT WE RECEIVE THE
RAW DATA, I.E., THE DATES OF THE EXTERNAL AND INTERNAL
EXPOSITION OF THE INDIVIDUALS AT HANFORD AS WELL AS THE
NUMBER OF THE UNEXPOSED PEOPLE WHO WERE SUBJECT TO THE
STUDY WITH ACCURATE INFORMATION ABOUT THEIR AGE. ONLY
THESE NUMBERS ALLOW FOR AN EXAMINATION IF THE RESULTS
HAVE BEEN REACHED WITH EXACT EPIDEMIOLOGICAL METHODS
AND IF THEY CAN BE CONSIDERED AS SOUND.
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STOESSEL

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